

AVIATION MAINTENANCE SAFETY CONFERENCE

COMMAND SAFETY SPECIALIST (PETTY OFFICER OR NCO)

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TOPICS OF DISCUSSION:

- REFERENCES
- CHAIN OF COMMAND
 - QUALIFICATIONS
 - RESPONSIBILITIES
- HAZARD ABATEMENT
- EYEWASH STATIONS
- INDUSTRIAL HYGIENE (IH) SURVEY

REFERENCES

- OPNAVINST 3750.6R
- OPNAVINST 4790.2H (changes coming)
- OPNAVINST 5100.23F (changes coming)
- OPNAVINST 5100.19D (changes coming)
- VARIOUS NAVOSH RELATED PUBLICATIONS AND INSTRUCTIONS

Aviation Safety
Officer (ASO)

(Aviation
Squadrons only)

"CO's shall describe their command's safety organization, define its requirements, and delineate the functions of each member of their safety organization."

OPNAVINST 3750.6R, CH. 2, para. 204

Aviation Safety Officer (ASO)

(Aviation Squadrons only)

Gnd Safety

"O" (QAO)

Gnd Safety PO/NCO

(Usually QA _Super)_

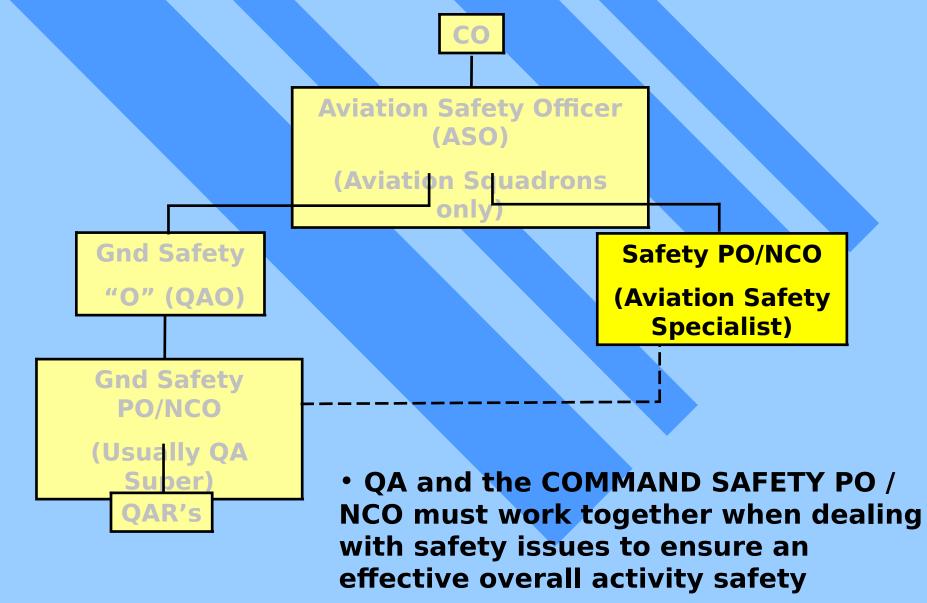
QAR's

QA has the OVERALL responsibility for Maintenance
 Dept/Division safety.
 The intent is not to conflict

• The intent is not to conflict with the activity's overall safety program but to assist in coordination of the total safety effort.

(OPNAVINST 4790.2H, VOL. I, para.

14 8 2 h)



program.

COMMAND SAFETY PETTY OFFICER / NCO

TRAINING REQUIREMENTS:

- Be a graduate of AVIATION SAFETY SPECIALIST (A-493-0065) course within 6 months of assignment (OPNAVINST 3750.6R, CH. 1, para. 107.h.(3))
- Be a graduate of the Introduction to Navy Occupational Safety and Health (Ashore), (A-493-0050) or equivalent course prior to assignment.

(OPNAVINST 5100.23F, CH. 6, para.

COMMAND SAFETY PETTY OFFICER / NCO

ADDITIONAL TRAINING:

- Additional training courses for NAVOSH professionals or personnel assigned collateral duties as NAVOSH professionals can include but are not limited to:
 - NAVOSH Assessment Tools and Strategies (A-493-0089)
 - General Industry Standards (A-493-0061)
 - Electrical Safety Standards (A-493-0033)
 - Introduction to Industrial Hygiene (A-493-0035)

COMMAND SAFETY PETTY OFFICER / NCO

- NOTE: All courses may be scheduled through the Naval Safety Center website < www.safetycenter.navy.mil/training>
- Additional web based training can be done at www.nko.navy.mil

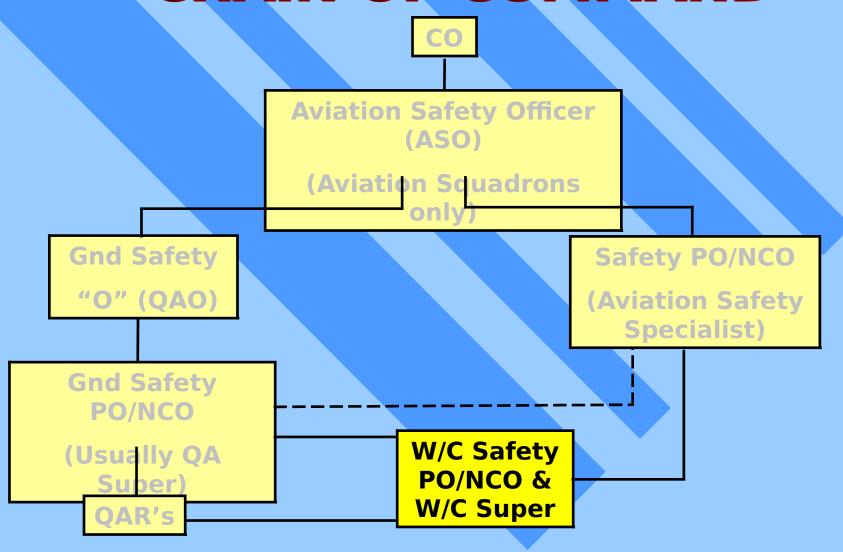
COMMAND SAFETY PETTY OFFICER / NCO

RESPONSIBILITIES:

- Assess risks and ensure all hazard areas and equipment are labeled as identified by the Industrial Hygienist
- Provide training to work center personnel in mishap prevention
- Monitor surveillance programs such as Hearing Conservation, Sight Conservation, Respiratory protection, Lead, etc.

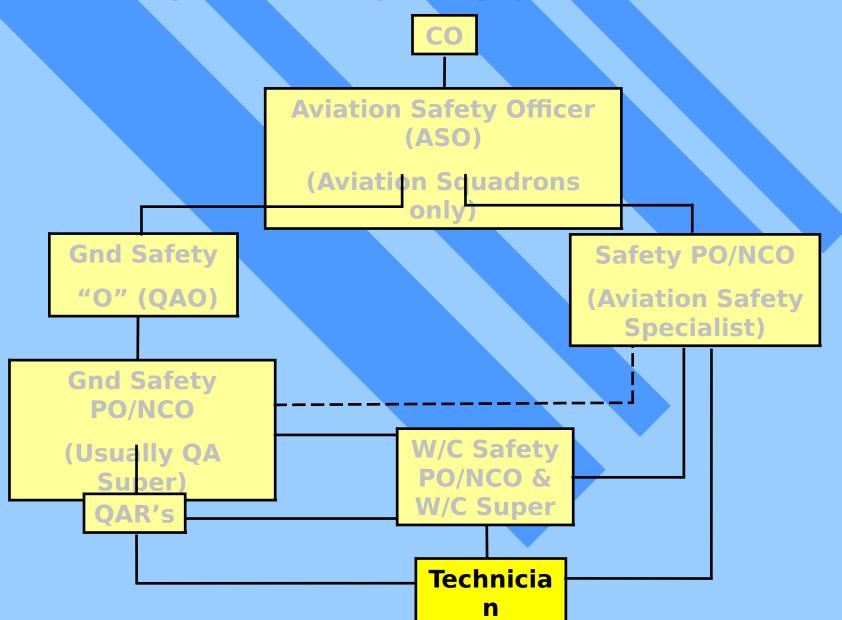
COMMAND SAFETY PETTY OFFICER / NCO

- Provide safety indoctrinations for newly assigned personnel
- Ensure the proper PPE is utilized and maintained in a clean, serviceable condition
- Ensure all machine guards are in place and safety precautions posted
- Investigate and maintain records of all injuries and mishaps



W/C SUPERVISOR and/or SAFETY PO/NCO

- "Division CPOs or NCOICs, LPOs or NCOs and Work Center Supervisors must recognize the responsibility incumbent upon the safety petty officers or NCOs and assist when required in correcting hazardous situations."
- "Safety Petty Officers or NCOs must be guided by a strict sense of responsibility and remain alert to any possibility of an unsafe situation before it develops." (OPNAVINST 4790.2H, VOL. I, para. 16.1.3.c)

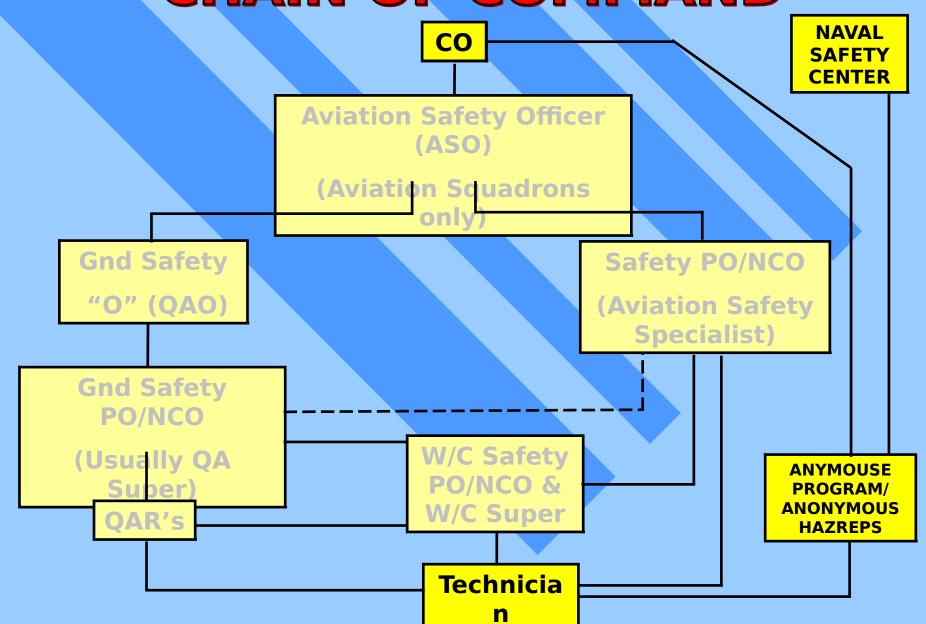


TECHNICIAN

"Effectiveness and safety result when properly trained personnel use properly designed equipment per established procedures under competent and persistent supervision."

"It requires active participation by all personnel on a daily basis to obtain desired results."

(OPNAVINST 4790.2H, VOL. I, para. 14.8.2 &

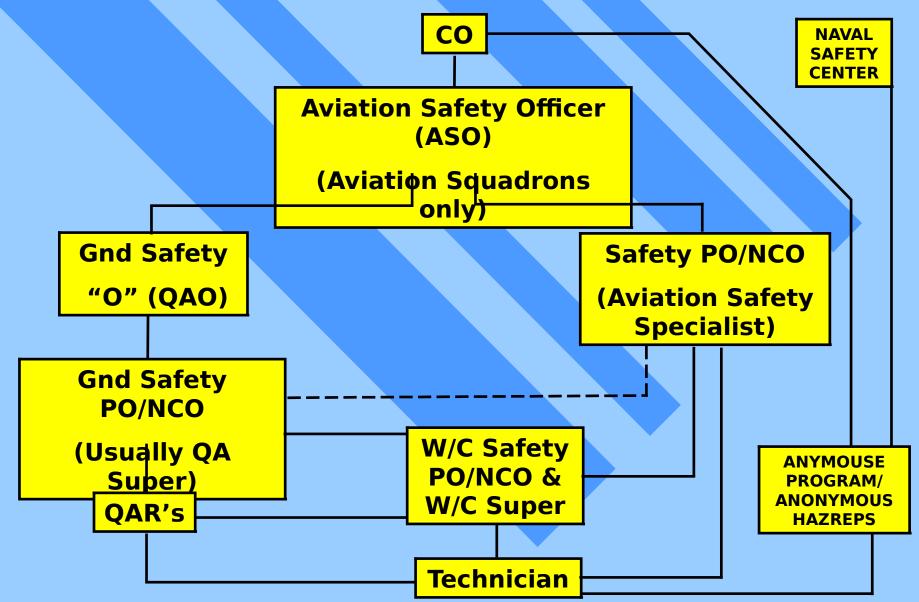


"ANYMOUSE" PROGRAM/ANONYMOUS

- All commands shall provide a system for anonymously reporting hazards
- Provides a means for individuals reluctant to identify themselves, direct access to the Commanding Officer to express concerns about safety matters
- Anonymous Hazard Reports are for Activities or individuals reluctant to identify themselves or their command

(OPNAVINST 3750.6R, CH. 2, para. 205.0 & CH. 4, para. 401.c)

(OPNAVINST 5100.23F, CH. 10)



"An effective Command Aviation Safety Program supports the objectives of the Naval Aviation Safety Program.

Their goals are parallel: to eliminate hazards and enhance the safety awareness of all hands."

To accomplish this we must:

- detect and eliminate hazards
- concentrate on safety awareness training
- enforce the highest possible standards of conduct and performance

(OPNAVINST 3750.6R, CH. 2, para. 0201)





"Aviation safety seeks to identify and eliminate hazards."



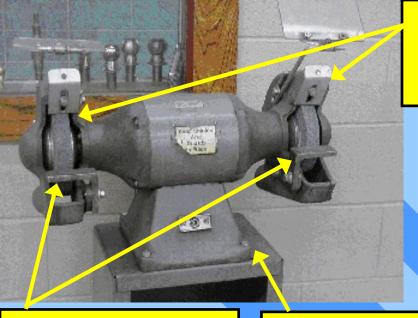
Easily accessible fire extinguishers

(29 CFR 1910.157. (C).(1))

36" CLEARANCE AROUND CIRCUIT BREAKER PANELS

(NEC 110-26, 29 CFR 1910.303(g) & 29 CFR





ADJUSTABLE TONGUE GUARD-1/4"OF WHEEL

TOOL REST-1/8" OF WHEEL SECURELY MOUNTE D

ABRASIVE WHEEL MACHINERY

29 CFR 1910.215

GRINDING OF NON-FERROUS MATERIALS (NON-SPARKING-ALUMINIUM, PLEXIGLAS, BRASS, ETC.)





Broken back shell on electrical cord exposed live wires. Bench powered by this cord was not working until worker moved cord while retrieving work boots close by.

(NEC 110-27(b); 29CFR1910.303(g)(2)(ii); 29CFR1926.403(I)(2)(ii))

- Live electrical outlet directly beneath portable eyewash station.
- Drainage from eyewash station may splash into exposed outlets cause electrocution hazard.
- FOD can within 30"





 Purpose of Hazard Abatement is to identify hazards and correct them before they become mishaps.

What is a hazard?

- A work place condition that might result in injury, occupational illness or death, or damage/loss to property/equipment.

(OPNAVINST 5100.23F, glossary)

• NAVOSH POLICY- To provide a safe and healthful workplace for all personnel.

(OPNAVINST 5100.23F, para. 0104)

- Commands shall identify hazardous conditions through the following methods:
 - Workplace inspections
 - W/C Supervisor/Safety PO
 - Command Safety PO
 - ❖ NAVOSH/OSHA Professionals
 - Employee hazard reports
 - Anymouse
 - Anonymous Hazard Reports
 - Industrial Hygiene Reports (IH Surveys)

Workplace inspections:

- Inspections are conducted annually or more often for high hazard areas by qualified NAVOSH personnel
- Commands are responsible for correcting hazards with a Risk Assessment Code (RAC) of 1 (critical), 2 (severe) or 3 (moderate) immediately
- immediately
 Work center supervisors and Safety
 PO/NCOs shall conduct daily hazard assessments.

(OPNAVINST 5100.23F, para. 0207.q.

- Inspection results shall be maintained for a minimum of 5 years
- Ensure compliance with Occupational Safety and Health (OSH) programs
- Ensure all practical controls (Engineering, Administrative & PPE) are being observed and utilized as required.

- Various types of inspecting activities
 - Industrial Hygienist
 - Environmental and Base Safety
 - Base Fire Marshal
 - Inspector General (IG)
 - Naval Safety Center

- Hazards may exist because of the following conditions:
 - Bad or poor designs
- Improper work or operational procedures (LCPs, SOPs, practices and Instructions)
 - Poor training or inadequate

preparation - Out-of-date instructions and

publications
- Operational environment demanding and unforgiving

- Commands can reduce or prevent hazards
- Isolating hazardous substances, components and operations from other activities, areas, personnel or incompatible materials
- Relocating equipment/components to prevent personnel for exposure
- Posting suitable warnings, cautions and marking equipment
- Requiring the use of PPE when controls do not reduce hazard

(OPNAVINST 5100.23F, CH. 5, CH. 9 & CH. 8)

EYE WASH STATIONS

STANDARDS:

*ANSI Z358.1-1998

*MINIMUM CLEARANCE OF 30"

*LOCATED WITHIN 10 SEC ON SAME LEVEL

*LOCATED WITHIN STRAIGHT LINE & OBSTACLE FREE

EYE WASH STATIONS

MAINTENANCE:

*PLUMBED: FLUSHED WEEKLY > 3 MIN

*PORTABLE: FLUSHED QUARTERLY OR AS PER MANFACTURER RECOMMENDATIONS WHICHEVER IS MORE FREQUENT.

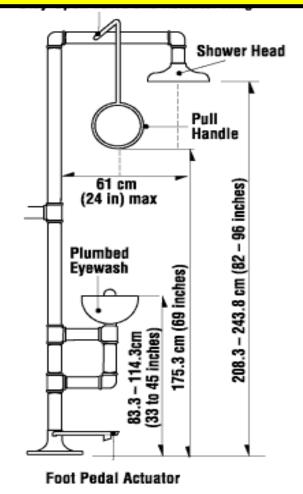
SHIPBOARD:

MAINTAINED AS PER SHIP'S PMS.

(OPNAVINST 5100.19D, CH. B5, para.

SAFETY **STATION**

(COMBO **EYEWASH/SHOWER**





EYE **WASH BOTTLES**

PORTABLE EYEWASH

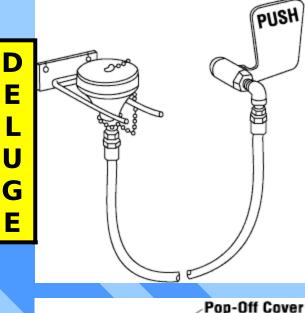


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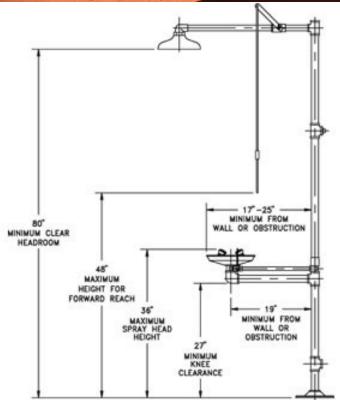
PUSH

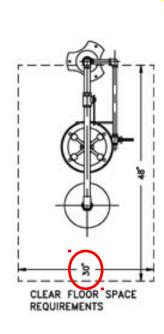
Actuator

83.8 - 114.3cm (33 - 45 inches









Trip hazards

Barrier free emergency eyewash stations

(ANCI 7359 1)

- Industrial Hygiene survey reports document the interpretation of data collected during the workplace walkthrough
- IH survey reports are historical documents that shows the operations conducted at given locations and the hazards present

 IH survey reports are self-supporting, stand alone documents

- IH survey report elements:
 - 1) Cover letter
 - 2) Executive Summary
- Overview of the initial status of the command's OSH programs
 - Lead, Hearing, Respiratory
- **Protection**
- 3) Program Findings and Recommensiations of major OSH programs

- IH survey report elements:
 - 4) Workplace Evaluations and Exposure Monitoring Plan
 - Workplace assessment
 - Description of Operations
 - Chemical and Physical hazards
 - Existing controls
- HM AUL and Reproductive Hazards and carcinogens

(Industrial Hygiene Field Manual, App. 2-A)

Suggest posting copies in work centers

- Hold training on IH survey to include
 - Content
- Location (suggest posting on Standing R.R.) Hazards
- An excellent source document to provide training and work center indoctrination for new technicians

SUMMARY

- The Chain of Command is there to help if you let it
- Training on hazards, hazard identification and abatement procedures is the key to a safe working environment
- Overall, a PROACTIVE approach to safety by all hands is a MUST!
- ➤ Visit our website at www.safetycenter.navy.mil for additional training topics, information and program reference guides.



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